

IN THE U.S. PATENT AND TRADEMARK OFFICE

PATENT

Jc973 U.S. PTO  
10/033035

12/27/01

Applicants: Günter REIS, Florian STEINMEYER, Markus VESTER  
Application No.: NEW  
Filed: December 27, 2001  
For: FLUX PUMP WITH A SUPERCONDUCTOR AND  
SUPERCONDUCTING ELECTROMAGNET TO BE  
OPERATED THEREWITH  
Docket No.: 32860-000257/US

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION CONCURRENT WITH THE  
FILING OF A NEW PATENT APPLICATION)

Assistant Commissioner for Patents  
Washington, DC 20231

December 27, 2001

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

☒ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy. Each item has been cited in the specification.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☐ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 08-0750.

New Application  
Docket No. 32860-000257/US

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY & PIERCE, P.L.C

By: \_\_\_\_\_

Donald J. Daley, Reg. No. 34,313

DJD:kna

P.O. Box 8910  
Reston, Virginia 20195  
(703) 390-3030

Enclosures:



Form PTO-1449(s)



Documents



Foreign Search Report



Fee



Other: \_\_\_\_\_

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)		ATTY DOCKET NO. 32860-000257/US  APPLICANT Gunter REIS et al.  FILING DATE December 27, 2001		APPLICATION NO. NEW  CONF. NO. Unknown  GROUP Unknown	
--	--	---	--	--	--

Jc973 US.PTO  
**10/033035**  
 12/27/01

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO

<b>OTHER DOCUMENTS</b> (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	"Study of Full-wave Superconducting Rectifier-type Flux-pumps", Qiuliang Wang et al., <u>IEEE Transactions on Magnetics</u> , Vol. 32, No. 4, pp. 2699-2702, July 1996.
	"On fully conducting rectifiers and fluxpumps. A review. Part 2: Commutation modes, characteristics and switches", L.J.M. van de Klundert et al., <u>Cryogenics</u> , pp. 267-277, May 1981.
	"The 11 <sup>th</sup> International Symposium on Power Semiconductor Devices and ICs", IEEE Electron Devices Society, May 1999
	"Fully superconducting rectifiers and fluxpumps Part 1: Realized methods for pumping flux", L.J.M. van de Klundert et al., <u>Cryogenics</u> , pp. 195-206, April 1981.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.